



June 25, 2003

Assistant Commissioner for Patents
Washington, DC 20231
Attn: Art Unit 3723 – Mr. Daniel G. Shanley
(703) 305-0306

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JUL 14 2003

TECHNOLOGY CENTER R3700

**RE: Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey (518) 483-5525**

Dear Mr. Shantley:

I received a call on Friday June 20th and was told that nothing has been received by your office concerning my patent request since last year. I was surprised to hear this as on January 27th of this year, I responded to an inquiry from your office containing questions concerning my initial submission.

The requested information was sent to you by US mail and I certified it with a return receipt. A copy of the US mail return receipt is attached to this letter.

I have also enclosed a copy of everything that I originally sent to you in January for your review.

Sincerely,

Howard F. Gokey

10/84,786
JUL 14 2003
Ret me
abord.



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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

17

Application Number

10/084,786

Filing Date

06/14/2002

First Named Inventor

Howard F. GOREY

Group Art Unit

3723

Examiner Name

Stanley, Daniel G.

Attorney Docket Number

ENCLOSURES (check all that apply)

- Fee Transmittal Form
- Fee Attached
- Amendment / Reply
- After Final
- Affidavits/declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts/ Incomplete Application
- Response to Missing Parts under 37 CFR 1.52 or 1.53

- Assignment Papers (for an Application)
- Drawing(s)
- Licensing-related Papers
- Petition
- Petition to Convert to a Provisional Application
- Power of Attorney, Revocation
- Change of Correspondence Address
- Terminal Disclaimer
- Request for Refund
- CD, Number of CD(s) _____

- After Allowance Communication to Group
- Appeal Communication to Board of Appeals and Interferences
- Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or
Individual name

HOWARD F. GOREY

Signature

Date

1/27/03

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: _____

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HOWARD F. GOREY

Signature

Date

1/27/03

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**Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
(518) 483-5525**

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January 27, 2003**

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Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
(518) 483-5525

ABSTRACT
January 27, 2003

The Bar Clamp Corner Squaring Fixture hereinafter called "Adaptor" is used in conjunction with a beam clamping assemblies to hold and lock in place a plurality of frame members.

The Adaptor provides a unique method of using existing beam clamping assemblies to clamp frame members and allow them to be glued and held in square while the glue dries.

The Adaptor is designed to be unattached from the bar clamp assembly that provides the clamping function. This facilitates the Adaptor to be used on a plurality of different beam clamping assemblies. The Adaptor can be easily adjusted by simply moving the bar clam jaws to hold both small and large size frames.

The Adaptor is used by itself and requires no additional fixtures to complete the function of maintaining a plurality of frame members in a square position in a ~~bar~~ clamping assembly.



**Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786**
First Inventor: Howard F. Gokey
(518) 483-5525

**Specification of Invention
January 27, 2003**

Title of Invention: Bar Clamp Corner Squaring Device

First Inventor: Howard F. Gokey
U.S. Citizen
25 Edward Street
Malone NY, 12953

Specification:

The invention consist of four (4) pieces of metal fabricated to 90 degree corners and is used in conjunction with beam clamp assemblies. Drawings (Figures 1A and 2A) describing the bar Clamp Corner Squaring Devices in detail are attached

The metal fixtures are made from 1/8" band iron and are welded in the corners and at the base.

The fixtures are 1 1/4" high and each side is 3 1/2" long.

The four (4) corner pieces were designed to be used to hold picture frames in place and in square to allow them to be glued. Cardboard or paper can be placed over the fixtures to prevent excess glue from getting on the fixtures.

People familiar with this art will be able to use the devices easily.

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Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
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Cross Reference to Related Applications
January 27, 2003

Related U.S. Application Data

Division of applications No. 08/787,971. Jan 23, 1997

Int. Cl. B25B 1/24
U.S. Cl. 269/168; 269/282; 269/283; 260/147

Field of Search 254/41, 147-149, 254/166-171.5,
203-206, 282,283,279,280,88,45

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**Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
(518) 483-5525**

**Statement Regarding Federally Sponsored Research or Development
January 27, 2003**

Not Applicable

Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
(518) 483-5525

Reference to Sequence Listing a Table, or a Computer Program Listing
Compact Disk Appendix
January 27, 2003

Not Applicable



Bar Clamp Corner Squaring Fixture

First Inventor: Howard F. Gokey

(518) 483-5525

Clamp Fixtures

Continuance of Application 10/084,786

January 31, 2003

This is a continuance to application Number 10/084,786, filed on 06/14/2002

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Field of the Invention

This invention relates to clamp fixtures of the type used in association with pipe clamps and bar clamps and more particularly to clamping systems which are easily changed to facilitate use of any of a number of different clamping devices which are specifically adapted for clamping certain types of work pieces or other articles.

Background of Invention

Pipe clamp assemblies and bar clamp assemblies hereinafter referred to as beam clamp assemblies. Beam Clamp assemblies are commonly used to hold work pieces or other articles in a fixed position to allow for other operations such as cutting, drilling, nailing, screwing, gluing etc. Beam clamp assemblies usually consist of a linear beam (e.g. pipe, rod, or bar) and a pair of opposing jaws, one of which is fixed to the beam at one location and the other while being attached can be moved by sliding it along the beam. The ability to slide one of the jaws allows for the jaw to apply and relieve pressure. Normally the jaws are made in a manner that provides for them to have parallel opposing gripping surfaces. This allows the bar clamping assemblies to clamp work pieces and other items having flat parallel opposing surfaces. However, these clamping devices cannot hold the work pieces or other articles in a square position that is often required. For example, to grip the corner of picture frames specialty configured miter jigs having mitered gripping surfaces have been designed. These specialty jigs have been provided with fasteners that allow the jigs to be attached to the jaws of the beam clamp assembly. These fasteners cause a disadvantage as they require to be attached to a particular type beam assembly and cannot be used interchangeably with the standard beam clamp assembly. Other clamping devices also require attachment of multiple jigs to clamp work pieces or other items. This lack of interchangeability and requirement of multiple jigs can be a great disadvantage to workers who must match jigs for a particular job to a particular type of beam clamp assembly which may or may not be available and cause loss of time.

It is desirable that jigs or other fixtures used for clamping be versatile to allow for clamping without need to attach special jigs to a bar clamping assembly or need to attach multiple jigs to a bar clamp assembly and still be able to hold the work pieces in square. This is extremely important in the assembly of picture frames.

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Bar Clamp Corner Squaring Fixture
First Inventor: Howard F. Gokey
(518) 483-5525

Summary of the Invention
Continuance of Application 10/084,786
January 31, 2003

This invention provides adaptors that do not require attachment to the beam clamp assembly but utilize them to clamp work pieces or other items in a square manner. To utilize the functionality of this invention it is required that 4 adaptors be used and 4 beam clamps. The smooth surface minimizes scarring and the strength of the 90 degree welded corner assures that the clamped work piece will be maintained in a square fashion.

The usage of these adaptors provides great flexibility in clamping a myriad of sized work pieces. Changing the length or width to accommodate a large or small size work piece can be done without changing out any specialized clamping fixture. It only requires that the position of the adjustable jaw on the beam clamping assembly be moved.

If gluing is required, the adaptors can be protected with a piece of paper or cardboard which can be discarded once the work piece has sufficiently cured.

The adaptors are small in size and do not require much storage space as they can be nested.

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**Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
(518) 483-5525**

**Drawings
January 27, 2003**

There are two drawings attached:

Drawings:

Figure 1A: Shows the adaptor separately and on one beam clamp assembly. Provided dimensional information for the adaptors.

Figure 2A: Shows all four adaptors in place and how they would be clamped with four beam clamp assemblies.

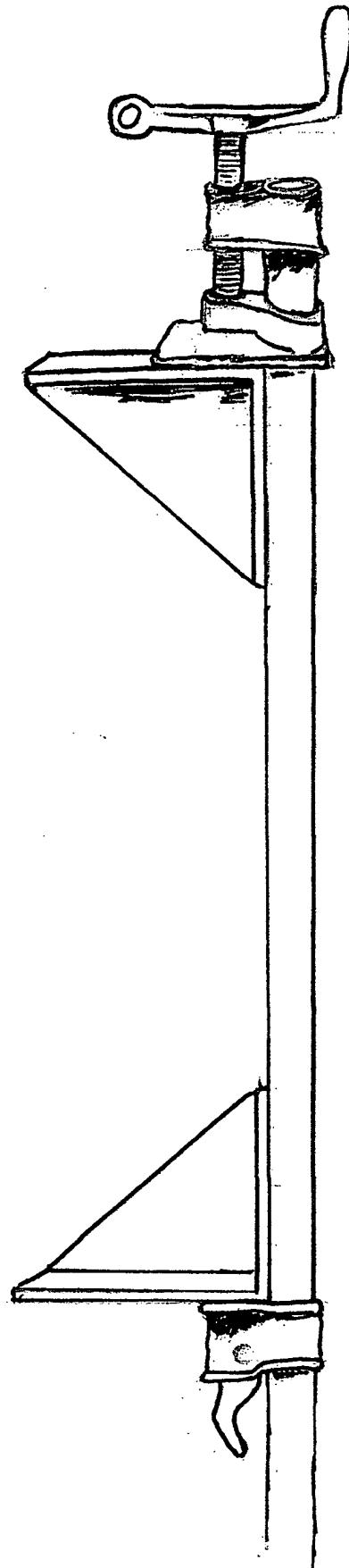
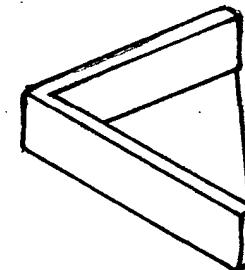
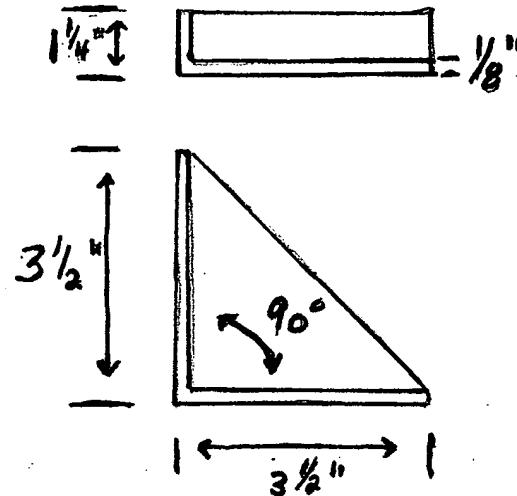


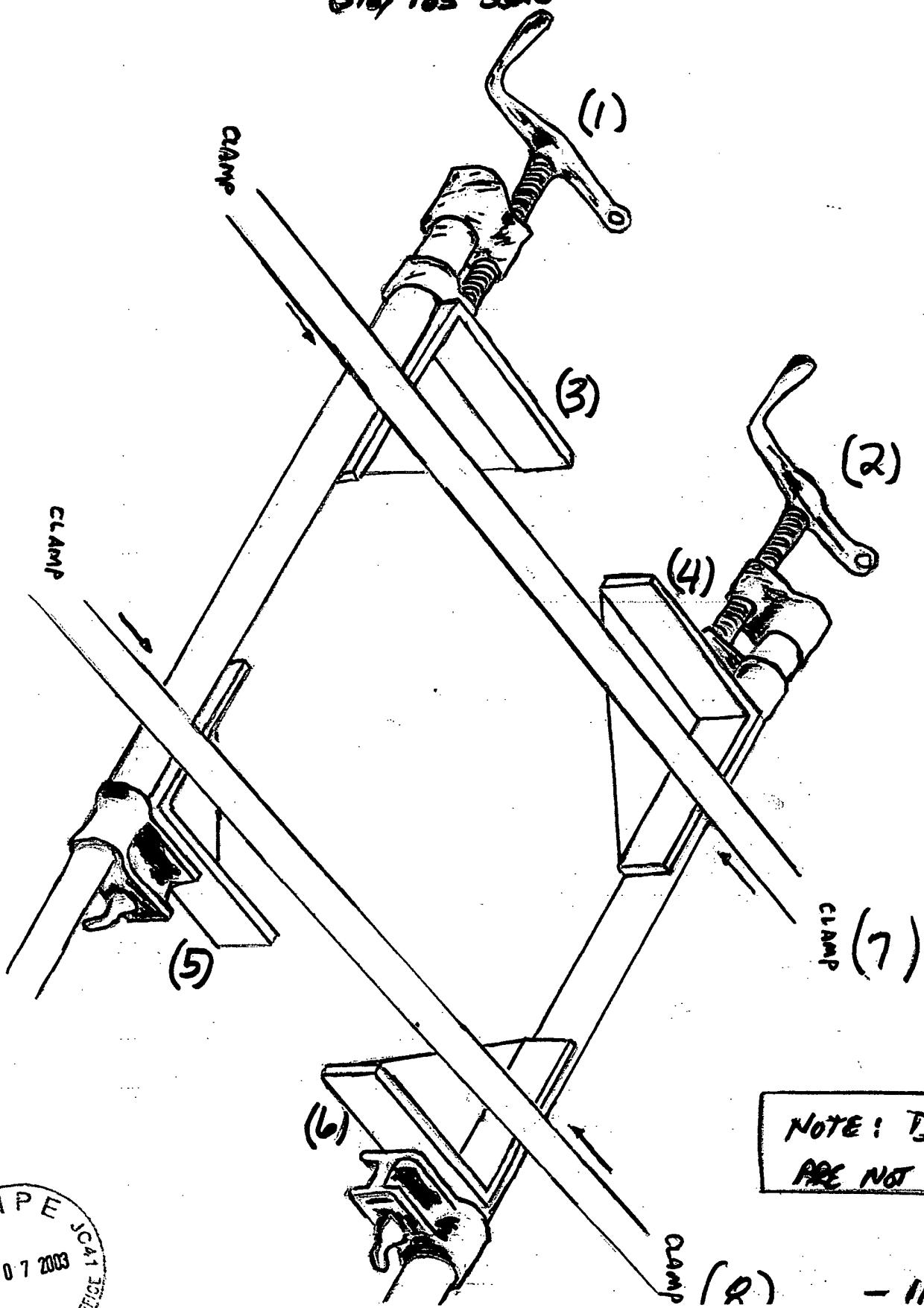
FIGURE 1A
Bar Clamp Corner Squares Fixture
FIRST INVENTOR: Howard F. Gates
(518) 483-5525



NOTE: DRAWINGS ARE NOT
TO SCALE.

Bar Clamp Corner Squaring Fixture
First Inventor: Howard F. Galloway
(518) 483-5525

FIGURE 2A



NOTE: DRAWINGS
ARE NOT TO SCALE



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Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
(518) 483-5525

Detailed Description of the Invention
January 27, 2003

This invention is to be used to hold frames in square while they are being glued. They are very easy to use and do not require any attachment to the jaws of beam clamping devices.

One who is has just ordinary skill in the art of frame making will be familiar enough with the art and will only have to do the following to utilize the functionality of the Bar Clamp Corner Squaring devices. (Refer to Drawing Figure 2A for part number references.)

- 1) Place two beam clamping devices on a flat surface. (Parts 1 & 2)
- 2) Set Bar Clamp Corner Squaring devices into the jaws of two beam clamping devices. (Parts 3, 4, 5, 6)
- 3) Insert the frame members that they wish to assemble. (Parts not shown)
- 4) Apply glue to the ends of the frame members
- 5) Adjust the beam clamping jaws to apply pressure on the assembled frame members.
- 6) Place two additional beam clamping devices perpendicular to the initial ones and adjust by clamping to the beams of the first two devices. (Parts 7 & 8)
- 7) Tighten beam clamping devices to ensure that assembled frame is in square.
- 8) Wait a sufficient time period to allow the glue to dry
- 9) Remove beam clamping devices and the Bar Clamp Corner Squaring devices.

The invention ease of use and ability to be used with beam clamping devices without being fastened to them provide it with versatility. Other clamping devices require attachment to the beam clamping devices or attachment to attachments.

The strength of the 90 degree welded corner assures that the clamped work piece will be maintained in a square fashion. The two sides of the device are individually welded to the bottom pieces well as being welded to each other.

The Bar Clamp Corner Squaring devices are easily stored and can be nested together to save space.

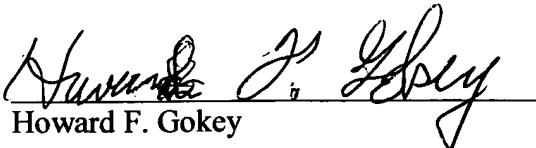
Bar Clamp Corner Squaring Fixture
Continuance of Application 10/084,786
First Inventor: Howard F. Gokey
(518) 483-5525

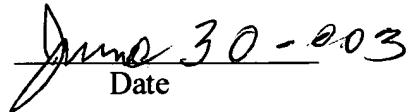
Claim
January 27, 2003

What is claimed is:

- 1) A clamping system comprising of:
 - a first beam clamp including a beam and a pair of opposing jaws;
 - a second beam clamp including a beam and pair of opposing jaws;
 - a set of four unattached adaptors designed to nest into the first and second beam opposing jaws;
 - a third beam clamp including a beam and a pair of opposing jaws;
 - a fourth beam clamp including a beam and a pair of opposing jaws.
- 2) The four adaptors of clamping system of Claim 1 provide a squaring fixture when used with the four beam clamping devices.
- 3) The four adaptors of clamping system of Claim 1 are not required to be attached to the opposing jaws to perform their squaring function.
- 4) The four adaptors are adjustable by moving the opposing jaws of the clamping system of Claim 1
- 5) The third and forth beam clamps in Claim 1 positioned perpendicular to the first and second beams in Claim 1 align the work piece into square.

Claims made by:


Howard F. Gokey


Date